Introduction:

Objectives:

* Assess trends in gender distribution in doctoral students in the US from 1985-2015
* Assess shifts in female enrollment in doctoral programs in Physical Sciences, Engineering, Education, and the Humanities and Arts in two ways:
  + How female graduate student research interests have shifted between these four fields, and
  + How the proportion of female graduate students in these fields have changed
* Compare male and female salaries after receiving a PhD
* Construct a model describing faculty salaries

Conclusion:

* Female involvement in higher education has improved, but there are still steps to be made for progress
* While the data we have are as much as we can gather, there are missing components that would be useful for parameterizing a model describing faculty salaries
  + Institution type: research institutions vs liberal arts colleges
  + Race: women make less than men, but Black women, Asian women, and Hispanic women make less than white women